CERTIFICATE OF CORRECTION

FILED

Certificate of Correction of Certificate of Amendment of Certificate of Incorporation of Crucible Materials Corporation

Hulf Hyllsecretary of STATE

The undersigned corporation, organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: This Certificate of Correction of Certificate of Amendment of Certificate of Incorporation of Crucible Materials Corporation is hereby filed to correct the omission of the following language from the Certificate of Amendment of Certificate of Incorporation of Crucible Materials Corporation filed on December 17, 1985 (the "Certificate of Amendment"), which such language should be inserted in the Fourth Article of such Certificate of Incorporation (as amended by the Certificate of Amendment) after the word "share," where it first appears in said Article and before the figure "200,000":

"and 1,238,000 shall be shares of Preferred Stock," par value \$100 per share. The 1,238,000 shares of Preferred Stock shall be designated as follows:"

SECOND: As a result of such correction of the Certificate of Amendment, the first paragraph of the Fourth Article of said Certificate of Incorporation (quoted in the third paragraph of the Certificate of Amendment) shall be and read in its entirety as follows:

The total number of shares of stock which the corporation shall have authority to issue is 16,238,000, of which 15,000,000 shall be shares of Common Stock, par value \$10 per share, and 1,238,000 shall be shares of Preferred Stock, par value \$100 per share. The 1,238,000 shares of Preferred Stock shall be designated as follows: 200,-000 shall be of 13.0% cumulative convertible preferred stock, Series A, par value \$100 per share, 100,000 shall be shares of 16.5% cumulative convertible preferred stock, Series B, par value \$100 per share, 63,000 shall be 16.5% cumulative convertible preferred stock, Series C, par value \$100 per share, 700,000 shall be shares of 16.5% cumulative preferred stock, Series D, par value \$100 per share and 175,000 shall be shares of 13.0% cumulative preferred stock, Series E, par value \$100 per share.

IN WITNESS WHEREOF, the Corporation has caused this Certificate of Correction to be executed by Gene P. Jaggers, its Vice President, and attested by Harvey O. Simmons, III, its Secretary, this 30th day of July, 1990.

CRUCIBLE MATERIALS CORPORATION

Vice President

Attest:

Secretary